

**AUTOMATIC MODE TRANSITIONS FOR MICROTURBINE GENERATING SYSTEMS**

ABSTRACT OF THE DISCLOSURE

**[0020]** A system and method for controlling a microturbine generator system comprising:  
5 providing a computer control unit; providing a utility power grid sensor input line to the computer control unit; and providing a utility power grid disconnect command output line from the computer control unit; and causing, via the computer control unit, automatic transitions of the microturbine generator system between at least four states, the at least four states comprising a generator standby backup mode, a generator standalone mode, a transfer to standby backup mode, and a generator startup battery  
10 charging mode.